

#5

MAT-8130US

- 1 -

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: N. Toyama et al. : Art Unit  
Serial No.: To Be Assigned : Examiner:  
Filed: Herewith :  
FOR: VIDEO MIXING APPARATUS AND :  
METHOD OF MIXING VIDEO :

## PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please replace the following paragraphs:

At page 3, line 5:

In the structure shown in Fig. 15, mixing processor 1103 outputs mixed video signal  $V_m$  according to the following formulas (4):

At page 4, line 26:

Basically, in a pixel at which the key signal generator outputs key signal  $K=0$ , mixed video signal  $V_m$  - background video signal  $V_z$  should be satisfied. In other words, regarding a luminance component, the term of  $S_y - (1 - K)R_y$  in (4a) should take "0" (zero) and  $M_y = Z_y$  should be satisfied. However, since the screen has some noises,  $S_y \neq R_y$ , thus error of  $S_y - R_y$  appears in the mixed video.